TRAJKOVIC, LJUBICA D.

Serbie. [Guide touristique. Traduction du serbe par Bogoljub Janjic] Beograd [Editeur La Presse Touristique] 1956. 372, [25] p. [Serbia; a tourist guide. In French. illus., fold. col. map, bibl.]
CU Not in DLC

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 5, No. 12, December 1956.

TRAJKOVIC, Petar

A typical case of chronic lymphocytic leukemia. Srpski arh. celok. lek. 89 no.5:619-622 My '61.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Branislav Stanojevic.

(LEUKEMIA LYMPHOCYTIC case reports)

STEFANOVIC, Stanoje; TRAJKOVIC, Petar; TOMIC, Petar

Possibilities of oral therapy of pernicious anemia. Srpski arh. celok. lek. 90 no.4:393-399 Ap '62.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu Upravnik: prof. dr. Branislav Stanojevic.
(ANEMIA PERNICIOUS) (INTRINSIC FACTOR)

S

STEFANOVIC, Stanoje; TRAJKOVIC, Petar

Liver function tests. Srpski arh. celok. lek. 92 no.9:879-884 S'64.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Branislav Stanojevic).

YUGOSLAVIA

SAVIN, Stevan; RISTIC, Milosav and TRAJKOVIC, Petar; Internal Medicine Clinic A, Medical Faculty of University (Interna klinika A Medicinskog fakulteta Univerziteta), Head (Upravnik) Prof Dr Gjorgje BRKIC, Belgrade.

"Practical Importance of Determining Urinary Sodium."

Belgrade, Srpski Arkhiv za Tselokupno Lekarstvo, Vol 93, No 4, Apr 1965; pp 391-396.

Abstract [German summary modified]: Data on natruria in 5 persons after 5 days of salt free diet; milliequivalents of sodium showing positive balance in hepatic cirrhosis, negative sodium balance in nephropathies, normal balance in the healthy person. The importance of monitoring daily sodium loses is stressed. This is important both for diagnostic and therapeutic guidance purposes. 5 graphs, 3 Western references; manuscript received 1 May 64.

1/1

JANKOV, Jelka; TRAJKOVIC, Stela

Tuberculosis control in the zone of the 3d Pediatric Clinic in Belgrade. Tuberkuloza, Beogr. 12 no.4:497-508 '60.

1. III Decji dispanzer No opstine Savski Venac, Beograd (upravnik dr J.Jankov)
(TUBERCULOSIS prev & control)

TRAJKOVIC, V.; NESKOVIC, B.; VISNJIC-FRAJND, M.

Leukemogenic action of the low-voltage X rays administered in small doses to mice. Bul sc Youg 7 no.1/2:11 F-Ap '62.

1. Onkoloski institut Medicinskog fakulteta, Beograd.

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TRAJKOVIC, Vera

The role of royal jelly in carcinogenesis. Srpski arh. celok. lek. 89 no.3:335-352 Mr '61.

1. Onkoloski institut Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Marija Vishjic-Frajndl.

(BEES) (CARCINOGENS)

LANG, Karoly; MALCSINER, Jozsef; NEMETH, Janos; VERTES, Sandor; ARANYI; KOVACS, Vilmos; TRAJKOVICS, Jozsef; NEMETH, Gyorgy; RACZ, Otto; PFISZTER, Janos

Plastic pattern production in the Csepel Iron and Steel Foundries. Koh lap 97 no. 2:Suppl.:Ontode 15 no. 2:39-45 F '64.

1. Csepel Iron and Steel Foundries, Budapest (for Lang, Malcsiner and Racz). 2. Ganz-Mavag (for Janos Nemeth, Vertes and Aranyi).

1963

S/194/62/000/009/083/100
D413/D308

AUTHOR: Trajtěl, Jožo

TITLE: A transistorized noise-suppression circuit designed for a wide range of temperatures

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 9, 1962, abstract 9-7-138 kh (Czech pat., cl. 21 a^4, 22/02; 21 a^2, 18/08, no. 98475, Feb. 15, 1961)

TEXT: The patent covers a circuit for the suppression of noise in the LF part of a receiver caused by the occurrence of considerable temperature drops during use. The circuit uses two transistors, one of which is connected as a transformer-coupled noise amplifier. One end of the output transformer secondary winding is connected through a diode to the base of the second transistor, which acts as a switch, while the other end is connected to the tap of a voltage divider; the collector-emitter circuit of the second transistor is connected in series with the first transistor. [Abstracter's note: Complete translation.]

Card 1/1

TRAIKOVA, Mariia, arkh.

Building of the Thermoelectric-Power Plant "Vratsa" is under way. Tekh delo no.43:1 7 Jl '62.

TRUBIN, B.G., prof.; LUR'YE, A.B.; GRIGOR'YEV, S.M.; IVANOVICH, E.M.; MEL'NIKOV, S.V.; ANTIPIN, V.G., kand. tekhn. nauk, retsenzent; VOLKOV, B.G., kand. tekhn. nauk, retsenzent; MULLAYANOV, R.G., kand. tekhn.nauk, retsenzent; OVSYUKOV, V.N., kand. tekhn. nauk, retsenzent; BELYAYEV, A.S., st. nauchnyy sotr., retsenzent; KOZLOVSKIY, Ye.V., inzh., retsenzent; TRAK, E.E., inzh., retsenzent; SIMONOVSKIY, N.Z., red.izd-va; SPERANSKAYA, O.V., tekhn. red.

[Agricultural machines; theory, design, and calculations] Sel'skokhoziaistvennye mashiny; teoriia, konstruktsiia i raschet. Pod red. B.G.Turbina. Moskva, Mashgiz, 1963. 575 p. (MIRA 16:5)

1. Nauchno-issledovatel'skiy institut mekhanizatsii i elektrofikatsii sel'skogo khozyaystva Severo-Zapada (for Antipin, Volkov, Mullayanov, Ovsyukov, Belyayev, Kozlovskiy, Trak).

(Agricultural machinery--Design and construction)

GNEZDOV, Sergey Vasil'yevich; ERK, Fedor Nikolayevich; TRAK, Eduard Eduardovich; DMITRIYEV, N.N., red.; ONOSHKO, N.G., tekhn. red.

[Mechanization of grain cleaning and drying] Mekhanizatsiia ochistki i sushki zerna. Leningrad, Lenizdat, 1962. 43 p. (MIRA 17:3)

TRAKAL, Boris

Production of blade prototypes in the Aeronautic Research and Test Institute. Zpravodaj VZLU no.3:157-159'63.

S/271/63/000/002/016/030
A060/A126

AUTHORS: Dubský, Bořivoj, Straka, Oldřich, Rajhel, František, Trakal, Vladimir

TITLE: Position servomechanism with magnetostrictive sensor

PERIODICAL: Referativnyy zhurnal, Avtomatika, Telemekhanika i Vychislitel'naya Tekhnika, no. 2, 1963, 77, abstract 2A473 P (Czech. pat. cl. 21 c, 46/50; 21c, 57/50, no. 96935, October 15, 1960)

TEXT: Patented is a servomechanism with a magnetostrictive pickup which may be used in the construction of high-speed counters, digital instruments and other automatic devices. Rigidly fixed to the frame of the mechanism is an immovable guide-rail, along which the fixed part of the carriage with the indicator moves on wheels. The carriage is connected to the movable part by a spiral spring; the wheel of the latter is attached at the bottom to the movable slide of the (measuring) instrument. The latter is fixed at one end to the free end of a magnetostrictive torsion pickup located on the frame of the mechanism. The device operates in such a way that the action of the force being measured (which

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Position servomechanism with magnetostrictive sensor

causes a torque on the axis of the pickup equal to the product of that force and the length of the movable slide) is automatically balanced by the torque. The latter is equal to the product of the force of the fastening of the movable part of the carriage to the movable slide and its distance from the pickup axis. The movable slide may have a shape appropriate to the curve of the process being regulated.

B. Kh.

[Abstracter's note: Complete translation]

TRAKALO, V. I.

"Fundamentals of the Integral Theory of the Pressure of a Free-Flowing Material." Cand Tech Sci, Kiev Construction Engineering Inst, Min Higher Education USSR, Kiev, 1954. (KL, No 1, Jan 55)

Survey of Scientific and Technical Disserations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

GUROV, S.; ALEKSANDROV, A.; TRAKCHUK, R. (Minsk); KHLYSTOV, I.; YUN'YEV, I.; ALEKSANDROV, S.; GIRUTSKAYA, A.; KURBANOV, G. (Baku)

Letters to the editors. Sov.profsoiuzy 16 no.10:50-54 '60. (MIRA 13:6)

1. Zamestitel' predsedatelya zavkoma Dneprodzerzhinskogo metallurgicheskogo zavoda imeni Dzerzhinskogo (for Gurov). 2. Deystvitel'nyy chlen Vsesoyuznogo geograficheskogo obshchestva pri AN SSSR (for Yun'yev). 3. Tekhnicheskiy inspektor Estonskogo soveta profsoyuzov, Tallinn (for Girutskaya).
(Efficiency, Industrial) (Labor and laboring classes)

TRAKHMAN, A. E.

306 Opyt Raboty Karagandinskikh Ugol'nykh Karyerov. M., Ugletekhizdat, 1954.
68s. 3 il'. 20 sm. 5,000 ekz. 1r.-(54-54(77) P.
622.233:622.271(574.4)

SO: Knizhnaya Letopis, Vol. 1, 1955

TRAKHANOV, D.F.

Rat extermination on stock farms. Veterinariia 37 no.9:81-83 S '60. (MIRA 14:11)

(Rats--Extermination)

IORDANISHVILI, Ye.K.; TRAKHBROT, B.M.

Thermoelectric properties of Bi_2Te_3 - Bi_2Se_3 in the temperature range 77-630°K. Fiz. tver. tela 4 no.1:122-131 Ja '62.
(MIRA 15:2)

1. Institut poluprovodnikov AN SSSR, Leningrad.
(Bismuth telluride--Electric properties)
(Bismuth selenide--Electric properties)

POPOV, I. N., [illegible]

Air

Determination of olfactory threshold concentration of sulfur dioxide. I. N. Popov, E. F. Cherkasov, O. I. Trukhman. Gig. i san. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953. Unclassified.

[illegible], I. N. [illegible], Ye. P., [illegible]

Sulfur Dioxide

Determination of olfactory threshold concentration of sulfur dioxide. Gig. i san. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, [illegible] 1958. Unclassified.

YEGOROV, I.N., dotsent; SIROSH, P.M.; NAUMOV, A.V.; RASKIN, M.M.; NIKIFOROV, N.I., kand.veterin.nauk; TRAKHANOV, D.F., kand.veterin.nauk; PETUKHOVSKIY, A.A.; ENDZIN, A.K.

Sanitation and veterinary hygiene. Veterinariia 41 no.3:73-82 Mr '64. (MIRA 18:1)

1. Krasnoyarskiy sel'skokhozyaystvennyy institut (for Yegorov). 2. Glavnyy veterinarnyy vrach Chernovitskogo oblastnogo upravleniya proizvodstva i zagotovok sel'skokhozyaystvennykh produktov (for Sirosh). 3. Zaveduyushchiy khimicheskim otdelom Chernovitskoy oblastnoy veterinarnoy laboratoriyey (for Raskin). 4. Direktor Chernovitskoy oblastnoy veterinatnoy laboratoriyey (for Naumov). 5. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Nikiforov, Trakhanov). 6. Dezinfektsionnaya stantsiya Moskovskogo gorodskogo otdela zdravookhraneniya (for Petukhovskiy). 7. Vsesoyuznyy nauchno-issledovatel'skiy institut veterinarnoy sanitarii (for Endzin).

TRAKHANOV, D. F. (Reviewer)

"Deratization on animal husbandry farms. According to material submitted to the Editor's Office."

Veterinariya, Vol. 37, No. 9, p. 81, 1960.

TRAKHANOV, G.A., tekhnik; BALAKHNIN, S.A., tekhnik

Improved operation of sliver traps. Energetik 12 no.5:19-20 My '64. (MIRA 17:6)

33351
S/181/62/004/001/020/052
B108/B104

9,4174 (1043, 1482)
26.2532

AUTHORS: Iordanishvili, Ye. K., and Trakhbrot, B. M.

TITLE: Thermoelectrical properties of Bi_2Te_3-Bi_2Se_3 between 77 and 630°K

PERIODICAL: Fizika tverdogo tela, v. 4, no. 1, 1962, 122 - 131

TEXT: The temperature dependences of the thermo-e.m.f., electrical conductivity, and efficiency of Bi_2Te_3-Bi_2Se_3 solid solutions were studied. The polycrystalline specimens were composed of 80% Bi_2Te_3 and 20% Bi_2Se_3. The efficiency can be written $Z = V_\alpha/V_\rho T$, where $V_\alpha = \alpha\Delta T$ - total e.m.f., V_ρ - ohmic voltage drop. It was therefore necessary only to separate the total voltage drop into V_α and V_ρ. Knowing the temperature at both ends of the specimen, T_1 and T_2, one can easily find the required parameters: $\alpha = V_\alpha/(T_1 - T_2)$; $\sigma = Il/V_\rho S$; $\kappa = \alpha^2\sigma/z$. For the efficiency z, however,

Card 1/3

Thermoelectrical properties...

a correction accounting for the heat exchange with the surroundings has to be introduced so that $z_1 = z_0\left(1 + \frac{ql}{2sK}(al/6 + s')\right)$. z_0 is the measured efficiency, a is the specimen perimeter, l and s length and surface area, s' outer surface area of the palladium plates between which the specimen is fastened. K is the thermal conductivity, $q = (\alpha^* + AT^3\sigma\varepsilon)$, where α^* is the thermal diffusivity, α is the Stefan-Boltzmann constant, ε is the blackness factor to infrared radiation of the body. Comparison of the experimental results with theory showed that the carrier free path l in the case of scattering is proportional to $\sqrt{\varepsilon}$. The efficiency has a maximum of about 2.10^{-3} per deg in the range 300 - 320°K. This maximum will be lower and shifted toward higher temperatures as the carrier concentration increases. Owing to the narrow forbidden band, carriers of the second sign arise at temperatures above 450 - 500°K causing z to change chiefly owing to bipolar diffusion. The authors thank L. S. Stil'bans, as well as S. S. Sinani and G. N. Gordyunkova (ZhTF, 26, 2398, 1956) for their interest and help. Ansel'm and V. ... Klyachkin (ZhTF, 22, 297, 1952) are mentioned

Card 2/3

Thermoelectrical properties...

There are 9 figures and 10 references: 8 Soviet and 2 non-Soviet. The references to the English-language publications read as follows: I. G. Austin. Proc. Phys. Soc., 72, 545, 1958; T. Harman. Appl. Phys., 30, 1959.

ASSOCIATION: Institut poluprovodnikov AN SSSR Leningrad (Institute of Semiconductors AS USSR, Leningrad)

SUBMITTED: July 13, 1961

Card 3/3

S/112/59/000/016/048/054
A052/A002

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 16, p. 229, # 35217

AUTHOR: Trakhimenko, Ya. K.

TITLE: Frequency Relations of Equivalent Conductivities of a Junction Transistor

PERIODICAL: Tr. Sektsii radiosvyazi, radioveshch. i televid. Ukr. resp. pravl. Nauchno-tekhn. o-va radiotekhn. i elektrosvyazi, 1957, No. 1, pp. 70-73

TEXT: Bibliographic entry

Card 1/1

S/133/61/000/006/007/017
A054/A129

AUTHORS: Gnuchev, S. M., Candidate of Technical Sciences, Trakhimovich, V. F., Tregubenko, A. F., Frantsov, V. P., Bobkov, T. M., Engineers

TITLE: Melting steel in arc-furnace with electromagnetic stirring of the bath

PERIODICAL: Stal', no. 6, 1961, 519-522

TEXT: Electromagnetic stirring was first applied in the USSR, in 1956, to a ДСВ-18 (DSV-18) type furnace (diameter of the working area: 3,070 mm, depth of the bath: 605 mm, tranformer capacity: 8,000 kw); further equipment for stirring was installed in 1959. Tests were carried out to determine the effect of electromagnetic stirring on the oxygen and sulfur content during the reduction period and to examine the efficiency of this process. The metal was stirred in such a way, (Fig. 1a) that after rising from the lower layers at the outlet opening it spread over the bath surface while two rotation centers were forming at the bridge. In the present series of tests the maximum rate of metal movement was 0.25 - 0.40 m/sec at the rear furnace banks and 0.14 - 0.25 m/sec at the frontal furnace banks, with a frequency of 0.95 - 1.0 cps. During the

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S/133/61/000/006/007/017
A054/A129

Melting steel in arc-furnace ...

tests the electromagnetic stirring went on for the entire period of refining. Based on the results obtained for the electromagnetic stirring of low-carbon structural steels, (12XH3A = 12KhN3A, 15XM = 15KhM) it was found that this process compared with the conventional method accelerated deoxidation considerably, viz. by 30 - 40 minutes. When deoxidizing took place for the usual period, electromagnetic stirring resulted in a more thorough deoxidation (0.003 - 0.005% oxygen content before tapping instead of 0.005 - 0.007% when applying the conventional method). Increased deoxidation by electromagnetic stirring was also recorded for stainless low-carbon steels (0.0035 - 0.0070% oxygen instead of 0.007 - 0.013% in the old process). The distribution coefficient of sulfur during reduction when applying the electromagnetic stirring method was higher, whereas the sulfur-content in the metal was lower than in the usual castings. No increase in hydrogen and nitrogen content was observed, nor did the furnace bottom display any increased wear and tear when electromagnetic stirring was applied. It was possible to accelerate the skimming of slag by 5-10 minutes, which increased the furnace capacity by 10%; moreover, manual labor could be entirely eliminated from this process. The temperature of the metal reached an average value more quickly and could be controlled more easily than in the usual manner. The bath also had a more uniform chemical composition. All these factors

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Melting steel in arc-furnace ...

improved the quality of the metal considerably. It was found that the waste decreased in electromagnetically stirred molten metals. This could be established for 18ХНВА (18KhNVA), 12ХН3А (12KhN3A), 40ХНМА (40KhNMA) steels. The waste in ball bearing steel decreased also, as a result of the drop in globular inclusions, whereas the oxide and sulfide impurities occur in about the same amounts in both processes. The drawbacks of the electromagnetic stirring equipment are: 1) the air-cooling of the stators is insufficient and does not prevent their overheating; 2) on account of the slow motion of the metal at the bath surface it is not possible to mechanize the stirring of slag. For this purpose it would be necessary to raise the current intensity in the stator above the nominal value and to intensify cooling suddenly; 3) in the present construction the bath must first be removed when repairs are necessary, when the stator has to be mounted or dismantled. There are 3 figures, 4 tables and 2 Soviet-bloc references.

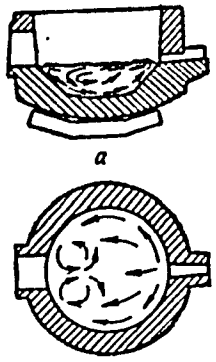

Fig. 1a: Scheme of the metal-circulation in the bath applied in the tests

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MYTSIK, P.A., inzh.; SEMIN, V.M., kand. [illegible] nauk; STEPANENKO, V.T., inzh.; NIKOL'SKAYA, K.N., inzh.; [illegible]A, O.A., inzh.; PAPANOV, V.A., inzh.; TRAKHTMOVICH, V.I.; GO[illegible]OV, S.M.

Now developments in research. Stal' 25 no.8:855 S '65. (MIRA 18:9)

TRAKHIMOVICH, V.I., inzh.; BARVINSKIY, B.V.; GOLOMAZOV, N.A.

Electromagnetic stirring in 80-ton furnaces. Stal' 22 no.11:1007-1009 N '62. (MIRA 15:11)

(Steel--Electrometallurgy)

TRAKHIMOVICH, V.I.; SALAUTIN, V.A.; GNUCHEV, S.M.

Methods for determining the technological plasticity of a metal in hot deformation. Zav. lab. 30 no.9:1116-1119 '64. (MIRA 18:3)

1. TSentral'nyy nauchno issledovatel'skiy institut chernoy metallurgii imeni Bardina.

GNUCHEV, S.M., kand.tekhn.nauk; TRAKHIMOVICH, V.I., inzh.; TREGUBENKO, A.F., inzh.; FRANTSOV, V.P., inzh.; BOBKOV, T.M., inzh.

Making steel in electric arc furnaces with electromagnetic mixing of the bath. Stal' 21 no.6:519-522 Je '61. (MIRA 14:5)
(Steel--Electrometallurgy)
(Electromagnets)

TRAKHIMOVICH, V.I., inzh.; CHISTYAKOV, S.L., inzh.; MOKHIR, Ye.D., inzh.; FILATOV, S.K., inzh.; YAKOBSON, V.Z., inzh.

Improving the technology of the production of OKh23N18 and Kh23N18 steels. Stal' 25 no.12:1092-1094 D '65. (MIRA 18:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii imeni I.P. Bardina i Zlatoustovskiy metallurgicheskiy zavod.

BOKIY, B.V.; TEPLITSKIY, G.A., redaktor; TRAKHMAN, A.I., redaktor; SLUSHKOVSKAIA, Ye.L., redaktor; SHPAK, Ye.G., tekhnicheskiy redaktor.

[Mining industry] Gornoe delo. Moskva, Ugletekhizdat, 1953. 743 p. (Mining engineering) (MLRA 7:7)

DIDOVSKIY, D.Z.; TRAKHMAN, A.I.; RYBAKOV, I.P.; KOGNOVITSKIY, I.I., redaktor; NADEYNSKAYA, A.A., tekhnicheskiy redaktor

[Work practice of the Karaganda opencut coal mines] Opyt raboty Karagandinskikh ugol'nykh kar'erov. Moskva, Ugletekhizdat, 1954. 66 p. (MLRA 8:7)

(Karaganda--Coal mines and mining)

STAKHEVICH, Ye.B., gornyy inzhener; TRAKHMAN, A.I., gornyy inzhener.

Performance of ESh-10/75 excavators in open pit mines of the "Vakhrushevugol'"trust. Mekh.trud.rab.8 no.1:14-16 Ja-F '54.
(MLRA 7:2)

(Excavating machinery) (Coal mines and mining)

TRAKHMAN, A.I., gornyy inzhener; STAKHEVICH, Ye.B., gornyy inzhener.

Ways of increasing labor productivity and lowering the production cost of coal in open-pit mines. Ugol' 29 no.6:22-25 Je '54. (MLRA 7:6)
(Coal mines and mining)

DIDKOVSKIY, Dmitriy Zakharovich, inzhener; NIKONOV, German Pavlovich, inzhener; STAKHEVICH, Yekaterina Borisovna, inzhener; SOKOLOVSKIY, Mikhail Mironovich, inzhener; TRAKHMAN, Aleksandr Ivanovich, inzhener; NAZAROV, P.P., otvetstvennyy redaktor; OKHRIMENKO, V.A., redaktor izdatel'stva; ALADOVA, Ye.I., tekhnicheskiy redaktor

[A manual for coal mine foremen] Spravochnik gornogo mastera ugol'nykh kar'erov. Izd. 2-e, ispr. i perer. Moskva, Ugletekhizdat, 1956. 372 p. (MIRA 9:11)
(Coal mines and mining)

TRAKHMAN, A.I., inzhener; STAKHEVICH, Ye.B., inzhener.

Resources for reducing time-consuming operations in coal mines. Mekh. trud. rab. 10 no.8:16-19 Ag '56. (MLRA 9:10)

(Coal mining machinery)

TRAKHMAN, A. I.

ALATORTSEV, S.A., prof., doktor tekhn.nauk; ANDREYEV, A.V., kand.tekhn. nauk; ANCHAROV, I.L., inzh.; BALINSKIY, S.I., inzh.; BELOUSOV, V.G., inzh.; VINNITSKIY, K.Ye., kand.tekhn.nauk; VLASOV, V.M., inzh.; VOROMTSOV, N.P., kand.tekhn.nauk; GIPSMAN, M.E., inzh.; GLUZMAN, I.S., kand.tekhn.nauk; GUR'YEV, S.V., kand.tekhn.nauk [deceased]; DEMIN, A.M., kand.tekhn.nauk; YEGURNOV, G.P., kand. tekhn.nauk; YEFIMOV, I.P., inzh.; ZHUKOV, L.I., kand.tekhn. nauk; ZEL'TSER, N.M., inzh.; KOSACHEV, M.N., kand.tekhn.nauk; KOTOV, A.F., inzh.; KUDINOV, G.P., inzh.; LAPOVENKO, N.A., kand. tekhn.nauk; MAZUROK, S.F., inzh.; MEL'NIKOV, N.V.; MUDRIK, N.G., inzh.; NIKONOV, G.P., kand.tekhn.nauk; ORLOV, Ye.I., inzh.; POTAPOV, M.G., kand.tekhn.nauk; PRISZDSKIY, G.V., inzh.; RZHEVSKIY, V.V., prof., doktor tekhn.nauk; RYAKHIN, V.A., kand. tekhn.nauk; SIMKIN, B.A., kand.tekhn.nauk; SITNIKOV, I.Ye., inzh.; SOROKIN, V.I., inzh.; STASYUK, V.N., kand.tekhn.nauk; STAKHEVICH, Ye.B., inzh.; SUSHCHENKO, A.A., inzh.; TYUTIN, I.F., inzh.; TYMOVSKIY, L.G., inzh.; FISENKO, G.L., kand.tekhn.nauk; FURMANOV, B.M., inzh.; SHATAYEV, M.G., inzh.; SHESHKO, Ye.F., prof., doktor tekhn.nauk; TERPIGOREV, A.M., glavnyy red. [deceased];

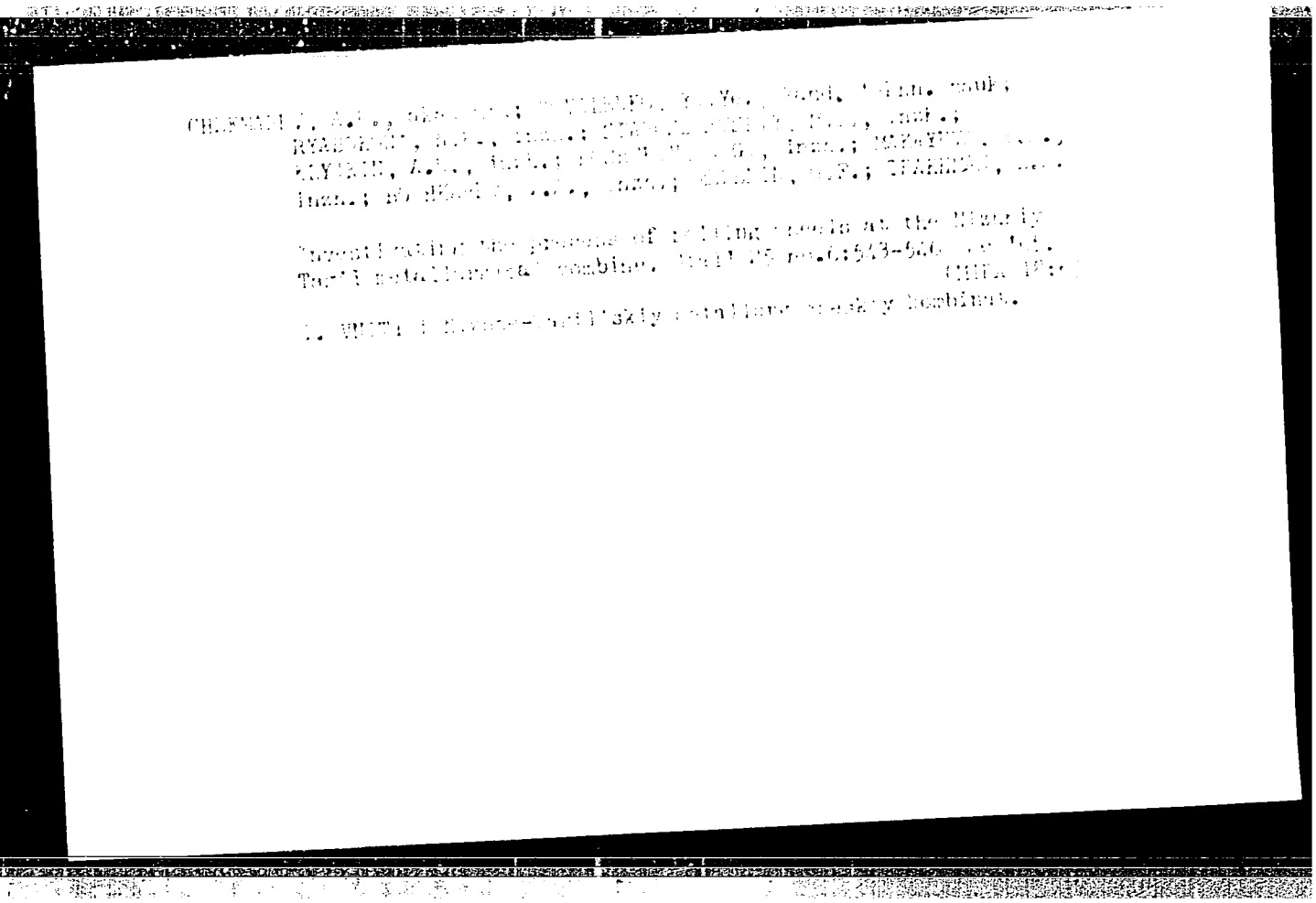
(Continued on next card)

ALATORTSEV, S.A.---(continued) Card 2.
KIT, I.K., zamestitel' glavnogo red.; SHESHKO, Ye.F., zamestitel' otv.red.; BUGOSLAVSKIY, Yu.K., red.; BYKHOVSKAYA, S.N., red.; DIONIS'YEV, A.I., kand.tekhn.nauk, red.; KOZIN, Yu.V., red.; SOKOLOVSKIY, M.M., red.; YASTREBOV, A.I., red.; DEMIDYUK, G.P., kand.tekhn.nauk, red.; KRIVSKIY, M.N., kand.tekhn.nauk, red.; LYUBIMOV, B.N., inzh., red.; MOLOKANOV, P.L., inzh., red.; REISH, A.K., inzh., red.; RODIONOV, L.Ye., kand.tekhn.nauk, red.; SLAVUTSKIY, S.O., inzh., red.; TRAKHMAN, A.I., inzh., red.; TRYMOVSKIY, L.G., inzh., red.; FIDELEV, A.S., doktor tekhn.nauk, red.; SHUKHOV, A.N., kand.tekhn.nauk, red.; TER-IZRAEL'YAN, T.G., red. izd-va; PROZOROVSKAYA, V.L., tekhn.red.; KONDRAT'YEVA, M.A., tekhn.red.

(Continued on next card)

ZLATORTSKY, S.A.---(continued) Card 3.
[Mining; an encyclopedic dictionary] Gornoe delo; entsiklopedicheskii spravochnik. Glav.red.A.M.Terpigorev. Chleny glav. red.A.I.Baranov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.10. [Mining coal deposits by the open-cut method] Razrabotka ugol'nykh mestorozhdenii otkrytym sposobom. Redkollegiia toma; N.V.Mel'nikov i dr. 1960. 625 p.
(MIRA 13:2)

1. Chlen-korrespondent AN SSSR (for Mel'nikov).
(Coal mines and mining) (Strip mining)



TRAKHMAN, M.

The best of the best. Sov.foto 22 no.1:8 Ja '62. (MIRA 15:1)

1. Fotokorrespondent "Literaturnoy gazety".
(Communist Party of the Soviet Union--Congresses)

TRAKHMAN, Mikh.

Report on Siberia. Sov.foto. 20 no.2:6-10 F '60. (MIRA 13:7)

1. Fotokorrespondent "Literaturnoy gazety".
(Siberia--Description and travel)
(Photography, Journalistic)

TRAKHTENBERG, B.F.

Relation of magnetic properties of steel to the temperature at the end of the rolling process. Izv.vys.ucheb.zav.; chern.met. no.3:37-43 '60. (MIRA 13:4)

1. Kuybyshevskiy industrial'nyy institut.
(Steel--Magnetic properties) (Rolling(Metalwork))

Trakhman, B.N.

TRAKHMAN, B.N.; ZLATOPOL'SKAYA, T.L.

Manufacturing reinforced concrete products using assembly-line methods. Bet. i zhel.-bet. no.12:477-480 D '57. (MIRA 11:1)
(Moscow--Concrete plants)

TRAKHMAN, Boris Naumovich; RAZINKOV, P., red.; LIL'YE, A., tekhn.red.

[Assembly line production of precast reinforced concrete] Potochnoe proizvodstvo sbornogo zhelezobetona. [Moskva] Mosk. rabochii, 1957. 60 p. (MIRA 10:12)

1. Direktor zavoda No.4 Glavmoszhelezobetona (for Trakhman).
(Precast concrete)

TRAKHMAN, B.; SHKVARKIN, A.

Double the planned capacity. Sov. profsoiuzy 7 no.7:33-34 Ap '59.
(MIRA 12:7)

1.Direktor zavoda No.4 zhelezobetonnykh izdeliy Glavmospromstroy-materialov (for Trakhman). 2.Predsedatel' zavkoma profsoyuza (for Shkvarkin).
(Moscow—Reinforced concrete)
(Industrial efficiency)

TRAKHTMAN, M.M., kand.med.nauk

"Microbiological processes in water purification" by L.B.Dolivo-Dobrovol'skii. Gig.i san. 24 no.8:87-88 Ag '59. (MIRA 12:11)

(WATER--PURIFICATION) (DOLIVO-DOBROVOL'SKII, L.B.)

POPOV, I. N;CHERKASOV, Ye. F;TRAKHMAN, O. L.

Determination of olfactory threshold concentration of sulfur dioxide. Gig. sanit., Moskva no. 5:16-20 May 1952. (CIML 22:3)

1. Of the Department of General Hygiene, First Moscow Order of Lenin Medical Institute.

TRAKHMAN, Ye.L.; KUDRINA, T.A.

X-ray therapy in boils of the external auditory tract. Vest.oto-rin. 18 no.6:33-35 N-D '56. (MIRL 10:2)

1. Iz Pervoy poliklinikl Ministerstva zdravookhraneniya SSSR.
(EAR, EXTERNAL, dis.
furuncolosis of external auditory tract, radiother.)
(FURUNCULOSIS, ther.
external auditory tract, radiother.)
(RADIOTHERAPY, in various dis.
furunculosis of external auditory tract)

THAKMAN, Yu.G.; CHERNIKOVSKAYA, T.Ya.; PAPERINA, T.E.

Preparations from Sterculia platanifolia, a new stimulant.
Sov.med. 23 no.6:107-110 Je '59. (MIRA 12:9)

1. Iz TSentral'nogo aptechnogo nauchno-issledovatel'skogo instituta (dir.Ye.N.Kutumova) Ministerstva zdravookhraneniya RSFSR i psikhonevrologicheskogo otdeleniya (zav. - prof.S.I. Subbotnik) bol'nitsy Kalininskoy zheleznoy dorogi.
(PLANTS, MEDICINAL extracts)
(HEART pharmacol.)

TRAKHMENBERG, A.

Agricultural Engineering

Glass pipes for the farm water system. Sots zhiv 14 No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

TRAKHMENBERG, A.

Water Pipes

Glass pipes for the farm water system. Sots. zhiv. 14 no. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 Uncl.

TRAKHO, P.

[Northern Caucasus as the health resort of the U.S.S.R.] Severnyi Kavkaz kak zdravnitsa SSSR. Miunkhen, 1955. 69 p. [With summaries in English, German and French]. (MLRA 10:5)

(Caucasus, Northern--Health resorts, watering places, etc.)

TRAKHO,R.

[North Caucasus as the health resort center of the U.S.S.R.]
Severnyi Kavkaz kak zdravnitsa SSSR. Miunkhen, 1955. 69 p.
(Institut zur Erforschung der UdSSR. Issledovaniia i materialy,
ser. 1, no.24) (MIRA 8:12)
(Caucasus, Northern--Health resorts, watering places, etc.)

KOSYAKOV, Kirill Sergeyevich, doktor med.nauk; TRAKHMAN, Ya.N., red.; BUL'DYAYEV, N.A., tekhn.red.

[Why it is harmful to smoke] Pochemu vredno kurit'. Moskva, Gos.izd-vo med.lit-ry, 1957. 30 p. (MIRA 11:1)
(SMOKING)

PHASE I BOOK EXPLOITATION SOV/3883

Gintsburg, A.K., V.A. Loktin, S.L. Reznikovskiy, B.G. Rozovskiy, M.A. Sulyutin, and A.A. Trakhov

Remont radiostantsiy (Repair of Radio Stations) Moscow, Voyen. Izd-vo M-va obor. SSSR, 1959. 327 p. No. of copies printed not given.

Ed.: P.S. Kiriyenko; Tech. Ed.: Ye.K. Konovalova.

PURPOSE: This textbook is intended for students of communication schools of the Soviet Defense Ministry, and may also be used by Defense Ministry personnel working in army communication repair shops, and by other radio specialists.

COVERAGE: The book deals with radio repair. Detailed information is given on materials and components, testing and repair of components, assembly and disassembly of radio equipment, measurements during testing and repair of radio stations, various methods of radio repair, and repair of power supply sources, transmitters, and receivers. M.A. Sulyutin wrote Ch. I; A.K. Gintsburg wrote Ch. II;

Card 1/11

GINTSBURG, A.K.; LOKTIN, V.A.; REZNIKOVSKIY, S.L.; ROZOVSKIY, B.G.; SULYUTIN, M.A.; TRAKHOV, A.A.; KIRIYENKO, P.S., red.; KOMOVALOVA, Ye.K., tekhn.red.

[Maintenance service for radio stations] Remont radiostantsii. Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 327 p. (MIRA 13:3)
(Radio--Transmitters and transmission)

ELI[illegible], R.[illegible].; PANTAEVA, A.N.; TS[illegible], Ye.A.

Catalytic reaction of simple ethers with carboxylic acids. Zhur.ob.khim. 27 no.6:1460-1465 Je '57. (MLRA 10:8)
(Ether) (Acids, Fatty)

TRAKHTENBERG, A.(Moskva)

Cold plastic welding. Prom.koop.no.3:18-19 Mr '56. (MLRA 9:7)

1.Glavnyy inzhener arteli "Krasnyy shtampovshchik".
(Welding)

TRAKHTENBERG, A.D.; FAYNSHTEYN, S.M.

Exposure of dislocations in germanium and silicon by means of etching. Fiz. tver. tela 1 no.3:373-377 Mr '59.
(MIRA 12:5)

(Germanium crystals) (Silicon crystals)
(Dislocations in crystals)

ACC NR: AP7007204 SOURCE CODE: UR/0186/66/008/006/0617/0621

AUTHOR: Sotnikov, V. S.; Belanovskiy, A. S.; Trakhtenberg, A. D.

ORG: none

TITLE: On the adsorption of metal ions from H_2O, H_2O_2 and KOH on the surface of electron-hole germanium and silicon junctions

SOURCE: Radiokhimiya, v. 8, no. 6, 1966, 617-621

TOPIC TAGS: adsorption, hydrogen peroxide, potassium hydroxide, pn junction

ABSTRACT: The adsorption of Cu, Ag, Au and In ions from H_2O, H_2O_2 and KOH on parts making up a germanium p-n-p junction (TM-5) and silicon p-n-p (P104-106) and n-p-n (P 101-103) junctions was studied. It is shown that a considerable contamination of the solutions with elements constituting the junction takes place during etching (the amount of impurities in the solutions increases by 2 to 3 orders of magnitude). Thus, adsorption on the junctions is very important, since in contrast to germanium and silicon crystals, etching of the junctions occurs in a solution with a high impurity content. Cu and In impurities, adsorbed by the surface of junctions of types P101-103 and TM-5, cause a considerable increase of I_{co} (zero collector current). The various distributions of the adsorbed impurities on different parts of junctions of various types were studied by means of autoradiographic photographs. Orig. art. has: 3 tables.

SUB CODE: 07/ 20/ SUBM DATE: 21Jun65/ ORIG REF: 004/ OTH REF: 003

Card 1/1 UDC: 541.183:546.3

NOVIKOV, A.N.; MARMORSHTEYN, S.Ya.; TRAKHTENBERG, A.Kh.

Angiopneumography as a supplementary diagnostic method in lung cancer. Vop.onk. 5 no.4:449-456 '59. (MIRA 12:12)

1. Iz Gosudarstvennogo onkologicheskogo instituta im. P.A. Gertsena (dir. - prof. A.N. Novikov, nauchnyy rukovoditel' - zasluzhennyy deyatel' nauki chlen-korrespondent AMN SSSR prof. A.I. Savitskiy). Adres avtorov: Moskva, D-284, II Botkinskiy pr., d.3, Gosudarstvennyy onkologicheskiy institut im. Gertsena.

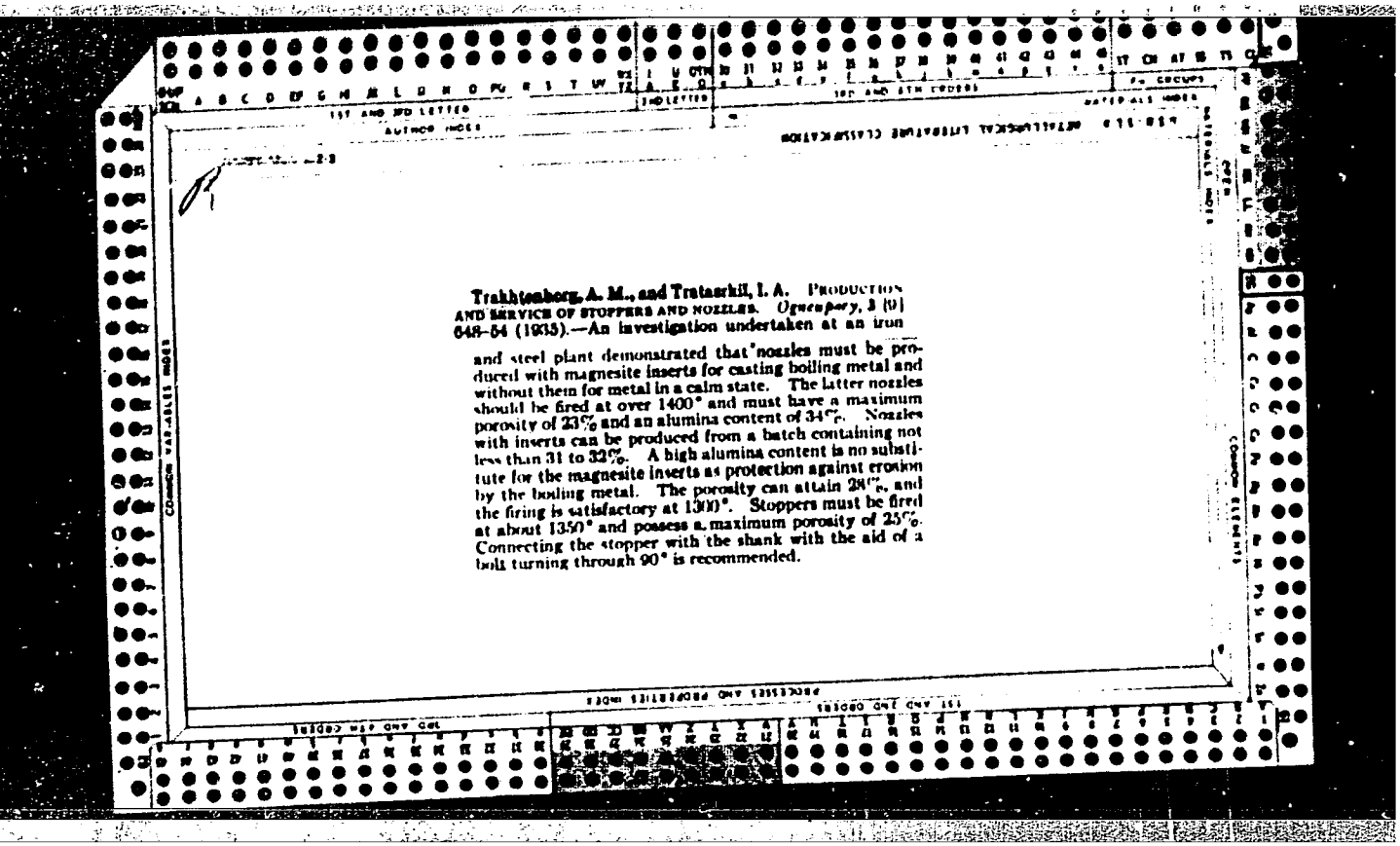
(LUNG NEOPLASMS, diagnosis,
angiopneumography (Rus))
(ANGIOGRAPHY,
pulm. angiopneumography in lung cancer (Rus))

VYSOTSKIY, A.N., inzh.; YEDIGERAL, M.P., inzh.; TRAKHTENBERG, A.Ye., inzh.

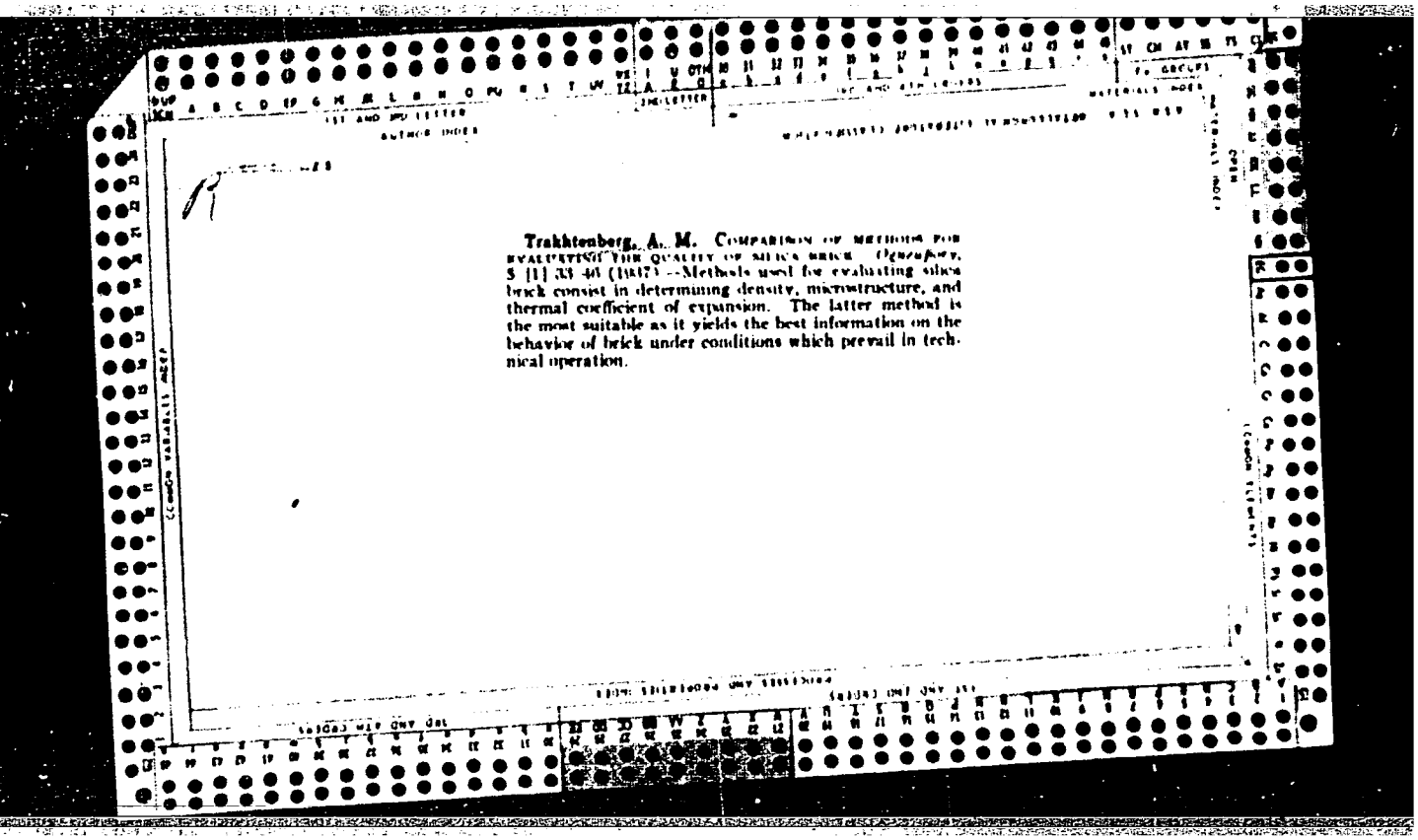
Improve the designs of structures for the gas industry. Stroi. truboprov. 5 no.5:7-8 My '60. (MIRA 13:9)
(Pipelines)

NOVITSKIY, V.F. (Kiyev); TRAKHTENBERG, A.Ye.(Kiyev)

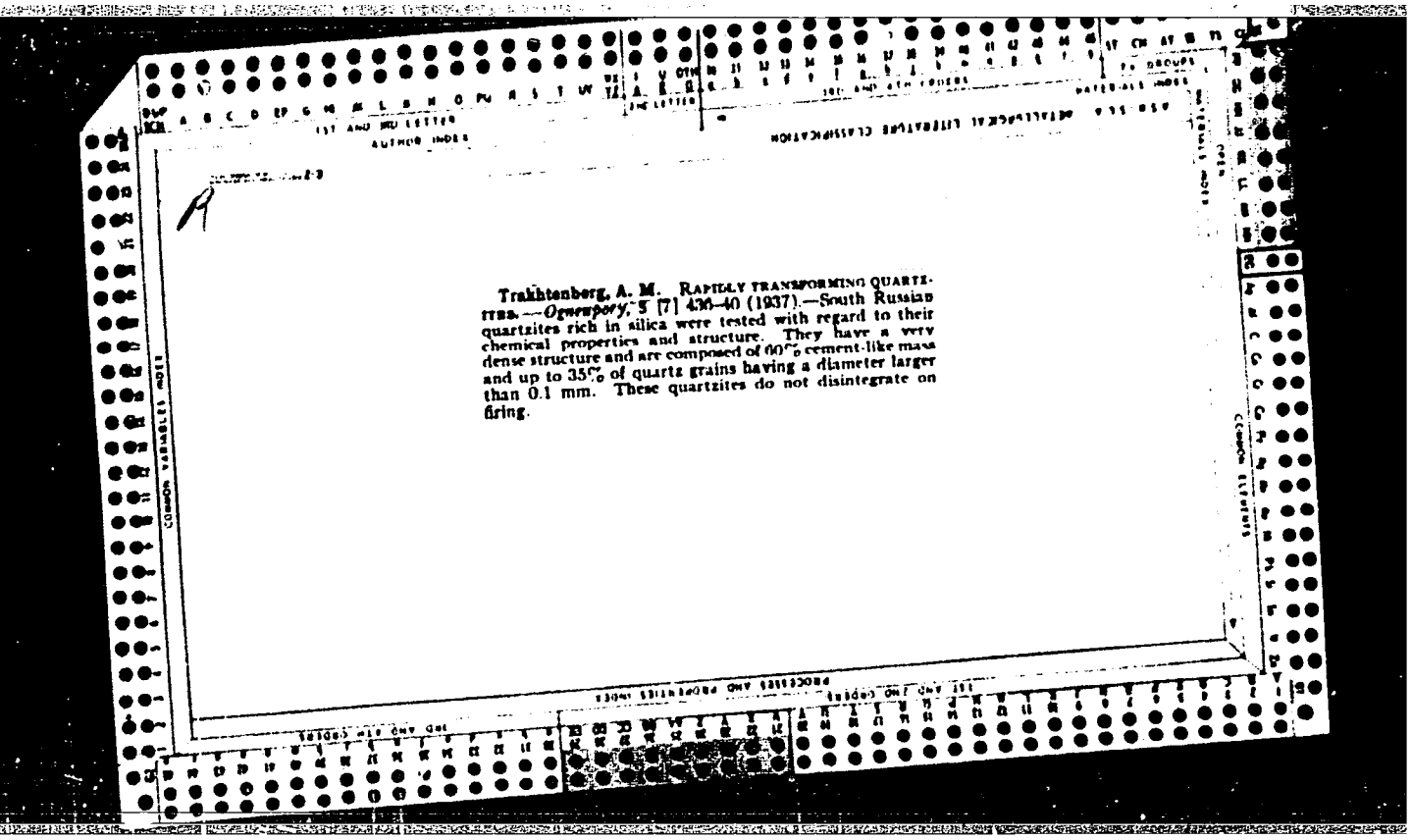
Heating system boilers fired with natural gas. Vod.i san. tekh. no.7:24-26 Je '60. (MIRA 13:7)
(Boilers)



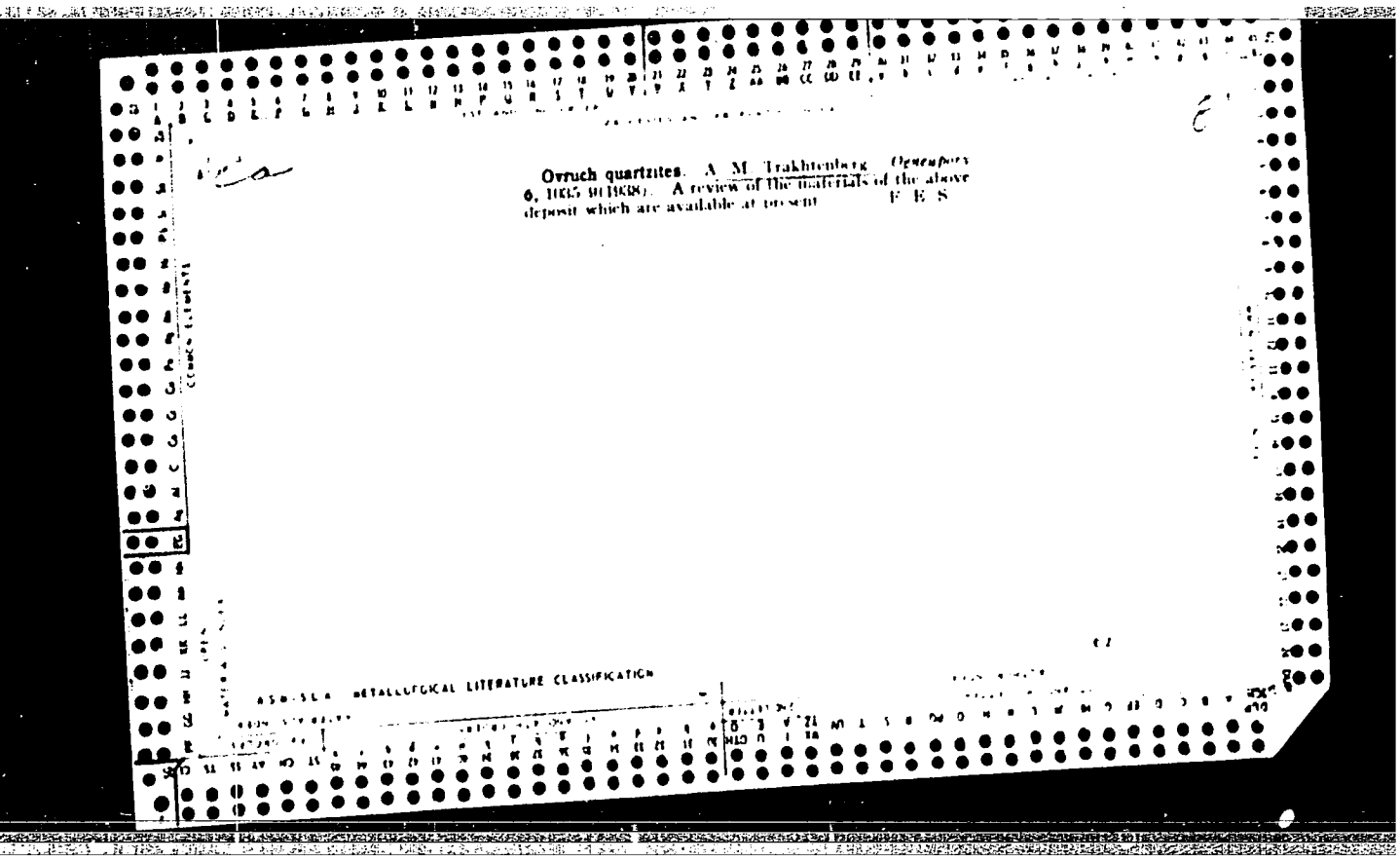
Trakhtenberg, A. M., and Tratarkil, I. A. PRODUCTION AND SERVICE OF STOPPERS AND NOZZLES. *Ogneupory*, 3 [9] 648–54 (1935).—An investigation undertaken at an iron and steel plant demonstrated that nozzles must be produced with magnesite inserts for casting boiling metal and without them for metal in a calm state. The latter nozzles should be fired at over 1400° and must have a maximum porosity of 23% and an alumina content of 34%. Nozzles with inserts can be produced from a batch containing not less than 31 to 32%. A high alumina content is no substitute for the magnesite inserts as protection against erosion by the boiling metal. The porosity can attain 28%, and the firing is satisfactory at 1300°. Stoppers must be fired at about 1350° and possess a maximum porosity of 25%. Connecting the stopper with the shank with the aid of a bolt turning through 90° is recommended.



Trakhtenberg, A. M. Comparison of methods for evaluating the quality of silica brick. *Ogneupory*, 5 [1] 33-46 (1937).--Methods used for evaluating silica brick consist in determining density, microstructure, and thermal coefficient of expansion. The latter method is the most suitable as it yields the best information on the behavior of brick under conditions which prevail in technical operation.

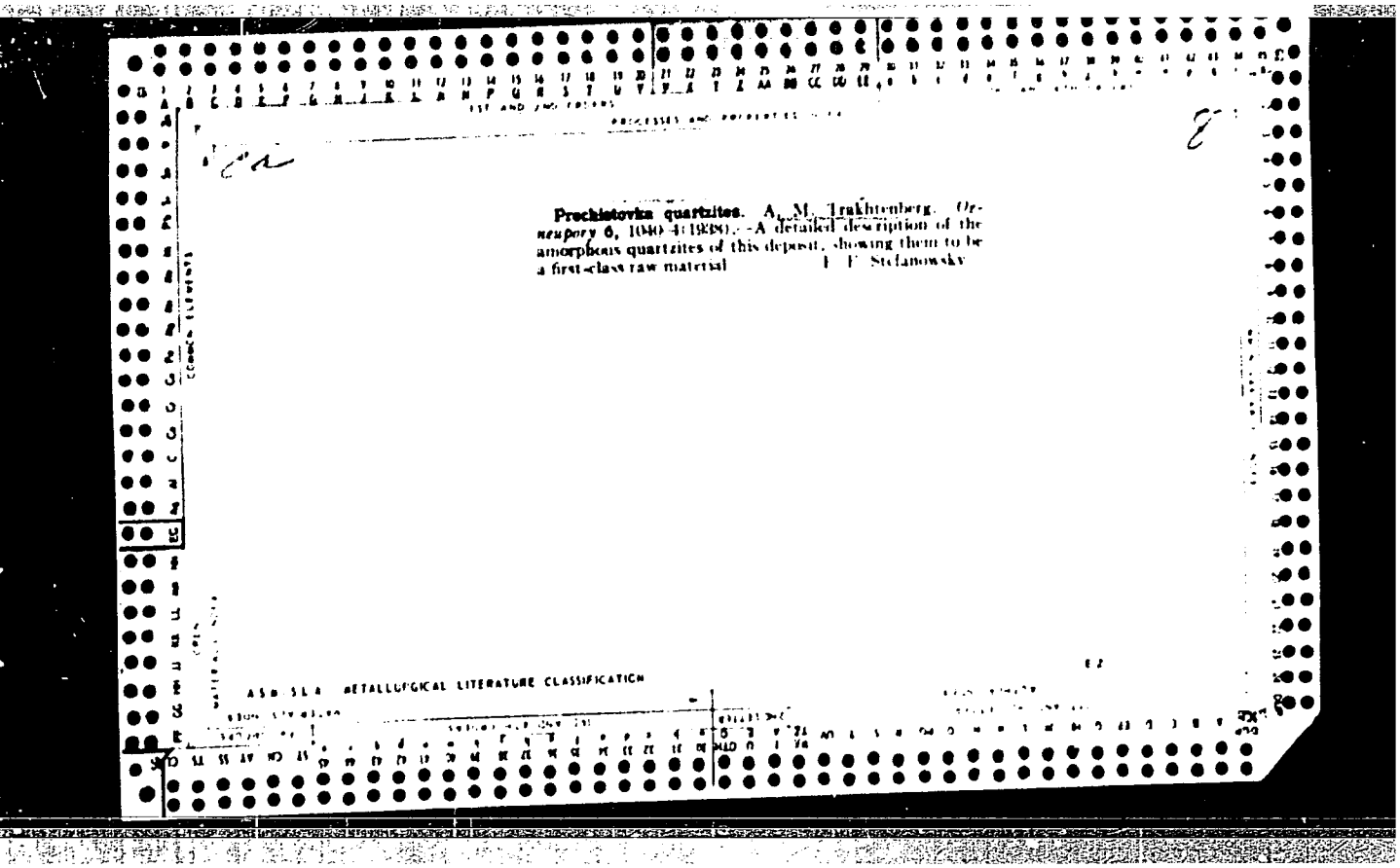


Trakhtenberg, A. M. RAPIDLY TRANSFORMING QUARTZITES.—*Ogneupory*, 5 [7] 436–40 (1937).—South Russian quartzites rich in silica were tested with regard to their chemical properties and structure. They have a very dense structure and are composed of 60% cement-like mass and up to 35% of quartz grains having a diameter larger than 0.1 mm. These quartzites do not disintegrate on firing.



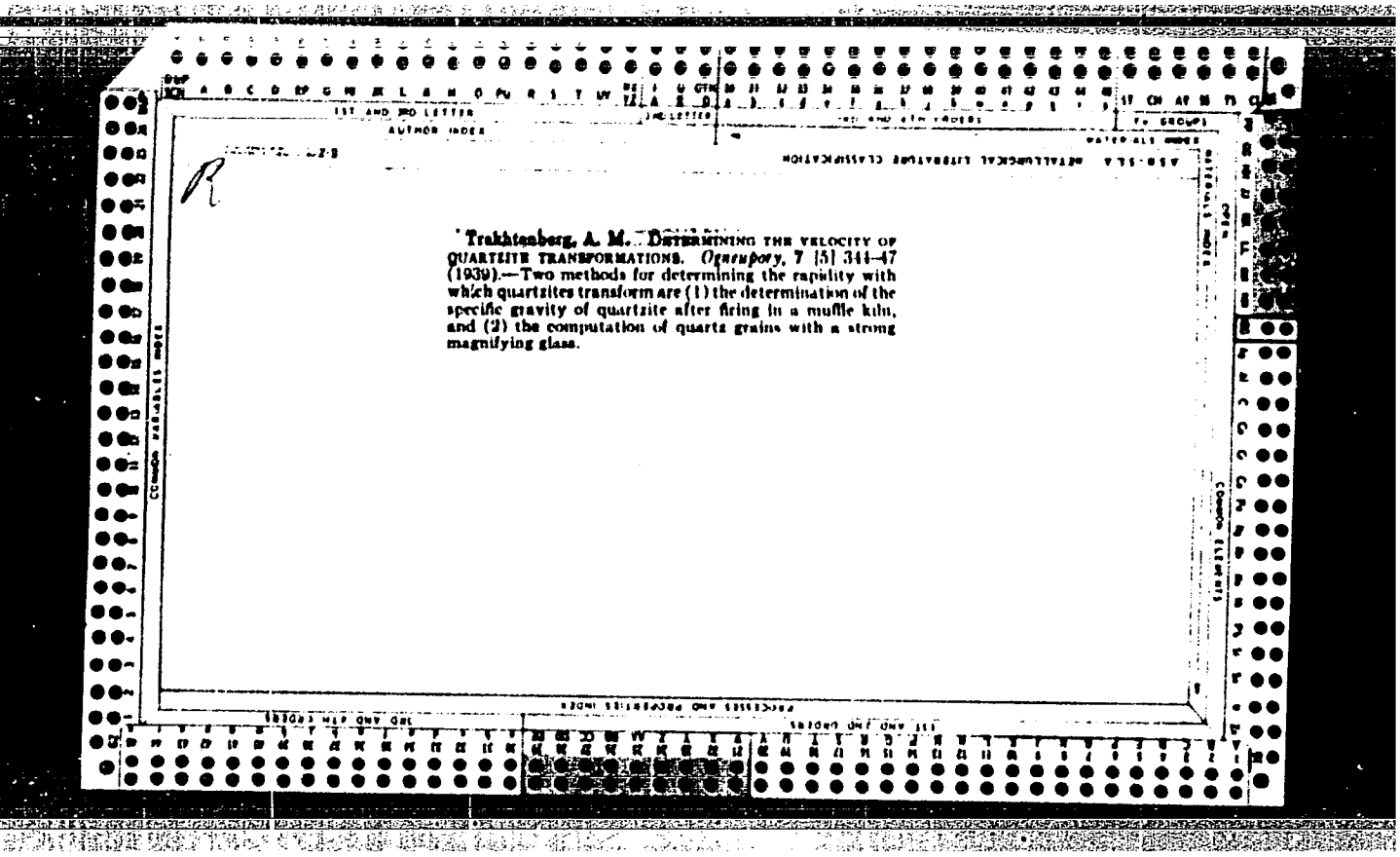
Ovruch quartzites. A. M. Trakhtenberg. *Ogneupory* 6, 1965 301[1968]. A review of the materials of the above deposit which are available at present. F. E. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

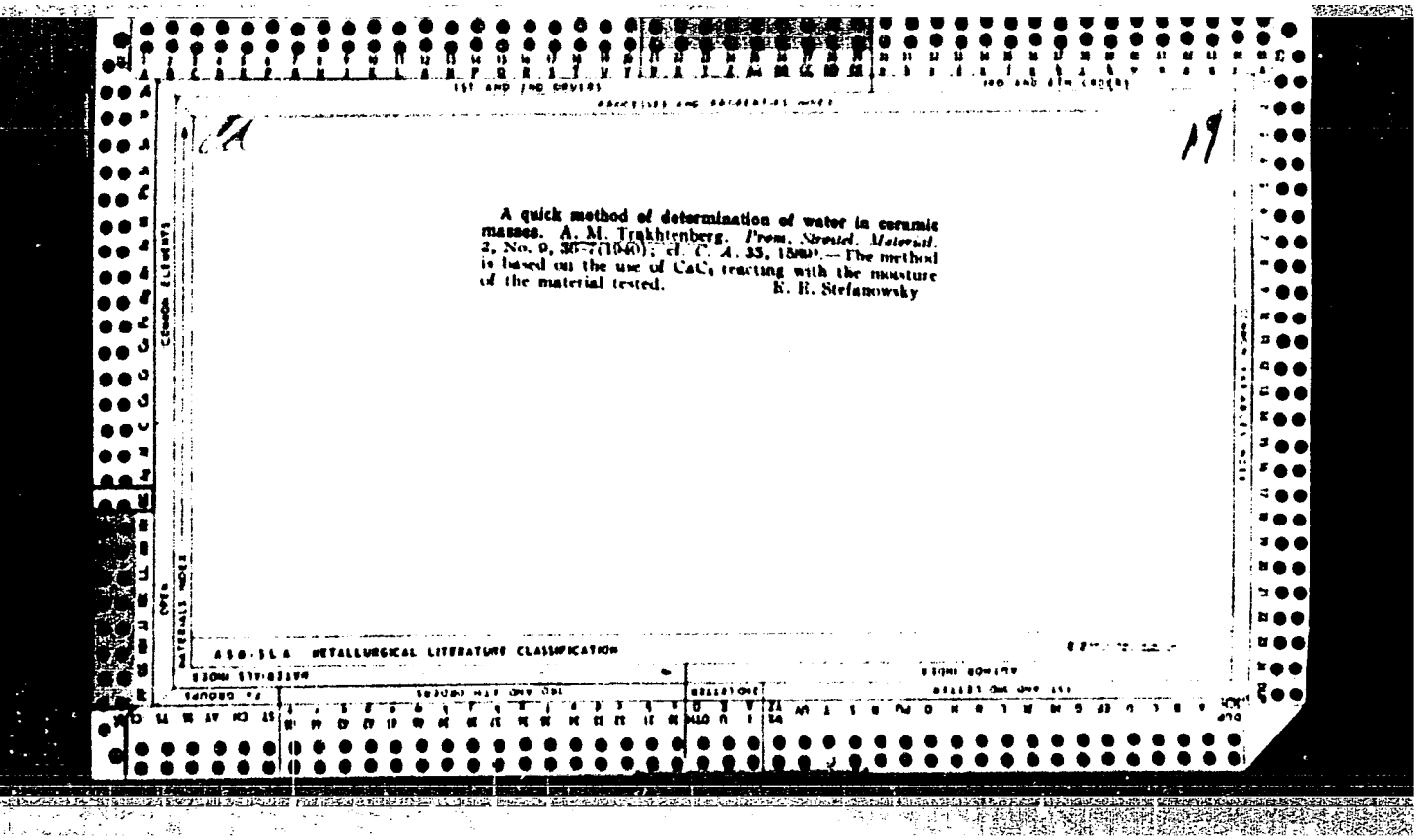


Prochistovka quartzites. A. M. Trakhtenberg. *Ogneupory* 6, 1040-4 (1938).—A detailed description of the amorphous quartzites of this deposit, showing them to be a first-class raw material. I. F. Stefanowsky

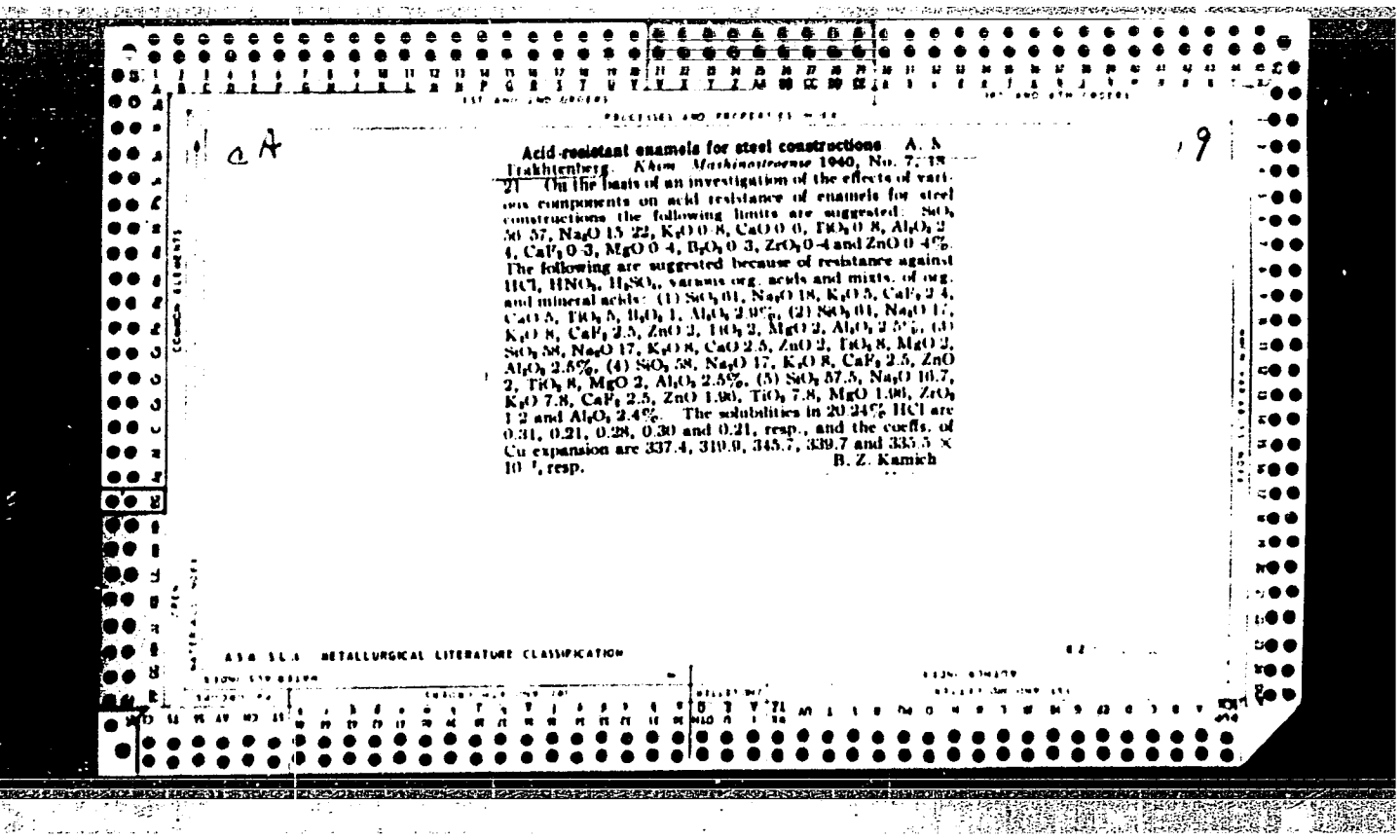
ASM SLA METALLURGICAL LITERATURE CLASSIFICATION



Trakhtenberg, A. M. DETERMINING THE VELOCITY OF QUARTZITE TRANSFORMATIONS. *Ogneupory*, 7 [5] 344–47 (1939).—Two methods for determining the rapidity with which quartzites transform are (1) the determination of the specific gravity of quartzite after firing in a muffle kiln, and (2) the computation of quartz grains with a strong magnifying glass.

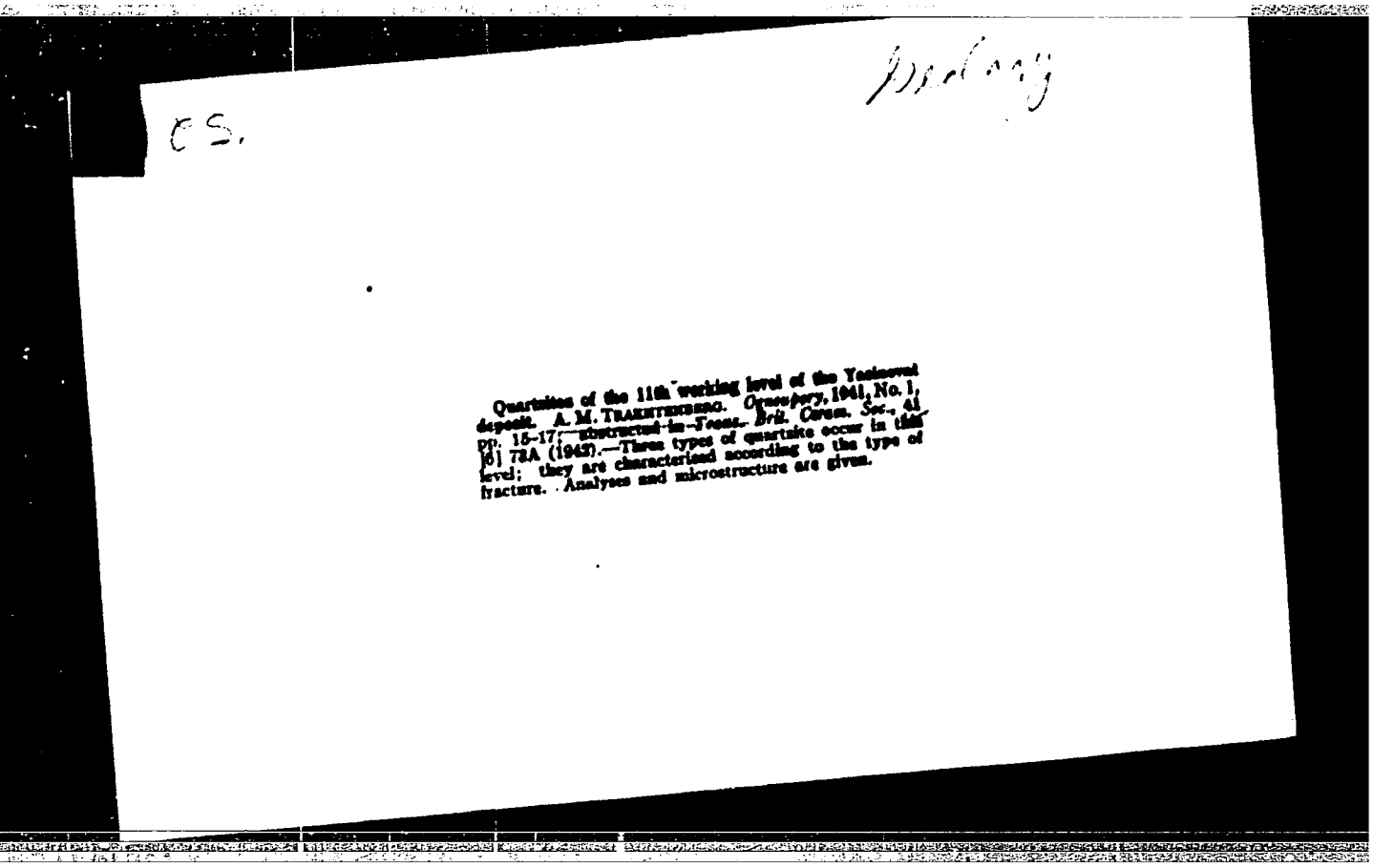


A quick method of determination of water in ceramic masses. A. M. Trakhtenberg. *Prom. Stroitel. Materiall.* 2, No. 9, 36–7(1940); cf. *C. A.* 35, 1880⁹.—The method is based on the use of CaC_2 reacting with the moisture of the material tested. E. R. Stefanowsky



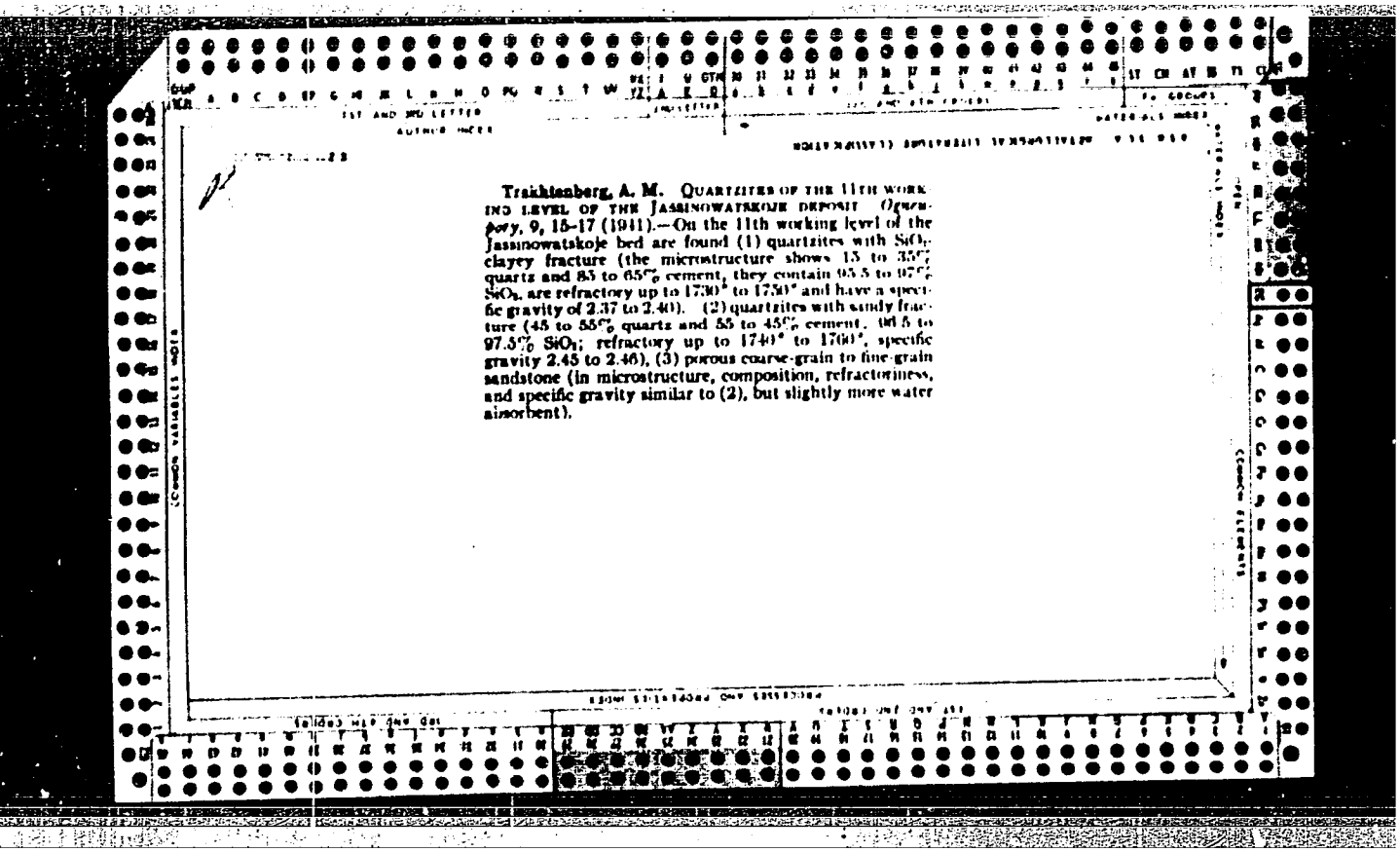
Acid-resistant enamels for steel constructions. A. S. Trakhtenberg. *Khim. Mashinostroenie* 1940, No. 7, 18-21. On the basis of an investigation of the effects of various components on acid resistance of enamels for steel constructions the following limits are suggested: SiO_2 50-57, Na_2O 15-22, K_2O 0-8, CaO 0-6, TiO_2 0-8, Al_2O_3 2-4, CaF_2 0-3, MgO 0-4, B_2O_3 0-3, ZrO_2 0-4 and ZnO 0-4%. The following are suggested because of resistance against HCl, HNO_3, H_2SO_4, various org. acids and mixts. of org. and mineral acids: (1) SiO_2 61, Na_2O 18, K_2O 5, CaF_2 2-4, CaO 5, TiO_2 5, B_2O_3 1, Al_2O_3 2.0%; (2) SiO_2 61, Na_2O 17, K_2O 8, CaF_2 2.5, ZnO 2, TiO_2 2, MgO 2, Al_2O_3 2.5%; (3) SiO_2 58, Na_2O 17, K_2O 8, CaO 2.5, ZnO 2, TiO_2 8, MgO 2, Al_2O_3 2.5%; (4) SiO_2 58, Na_2O 17, K_2O 8, CaF_2 2.5, ZnO 2, TiO_2 8, MgO 2, Al_2O_3 2.5%; (5) SiO_2 57.5, Na_2O 10.7, K_2O 7.8, CaF_2 2.5, ZnO 1.90, TiO_2 7.8, MgO 1.90, ZrO_2 1.2 and Al_2O_3 2.4%. The solubilities in 20-24% HCl are 0.31, 0.21, 0.28, 0.30 and 0.21, resp., and the coeffs. of Cu expansion are 337.4, 319.0, 345.7, 339.7 and 335.5 × 10^{-7}, resp. B. Z. Kamich

A54 SLA METALLURGICAL LITERATURE CLASSIFICATION



C S.

Quartzites of the 11th working level of the Yankovat deposit. A. M. TRAKHTENBERG. *Ognezpory*, 1941, No. 1, pp. 15-17; —abstracted-in-Trans. *Brit. Ceram. Soc.*, 41 [6] 73A (1942).—Three types of quartzite occur in this level; they are characterized according to the type of fracture. Analyses and microstructure are given.



Traikhtenberg, A. M. QUARTZITES OF THE 11TH WORKING LEVEL OF THE JASSINOWATSKOJE DEPOSIT *Ogneupory*, 9, 15–17 (1941).—On the 11th working level of the Jassinowatskoje bed are found (1) quartzites with SiO_2, clayey fracture (the microstructure shows 15 to 35% quartz and 85 to 65% cement, they contain 95.5 to 97% SiO_2, are refractory up to 1730° to 1750° and have a specific gravity of 2.37 to 2.40). (2) quartzites with sandy fracture (45 to 55% quartz and 55 to 45% cement, 96.5 to 97.5% SiO_2; refractory up to 1740° to 1760°, specific gravity 2.45 to 2.46), (3) porous course-grain to fine-grain sandstone (in microstructure, composition, refractoriness, and specific gravity similar to (2), but slightly more water absorbent).

TRAKHTENBERG, A., inzh.; FARYNSKIY, R., inzh.

Reference sheet. Radio no.10:59-60 O '64.

(MIRA 18:2)

TRAKHTENBERG, A.Kh.

Bronchial calculus simulating central cancer of the lung. Vop. onk. 10 no.6:108-112 '64. (MIRA 18:3)

1. 1. Iz torakal'nogo otdeleniya (zav. - doktor med.nauk N.D. Garin) Gosudarstvennogo onkologicheskogo instituta imeni Gertsena (dir. - prof. A.N.Novikov). Adres avtora: Moskva, D-284, 2-y Botkinskiy prospekt, 3, Gosudarstvennyy onkologicheskiy institut.

NOVIKOV, A.N.; MARMORSHTEYN, S.Ya.; TRAKHTENBERG, A.Kh.

Mediastinal phlebography in tumors of the mediastinum. Vest. rent. i rad. 37 no.5:9-13 S-O '62. (MIRA 17:12)

1. Iz torakal'nogo (zaveduyushchiy - doktor med. nauk N.D. Garin) i rentgenodiagnosticheskogo (zaveduyushchiy - prof. Ye.E. Abarbanel') otdeleniy Gosudarstvennogo onkologicheskogo instituta imeni P.A. Gertsena (direktor - prof. A.N. Novikov). Adres avtora: Moskva D-284, Begovaya alleya, dom 3, kvartira 191.

TRAKHTENBERG, G., kand. tekhn. nauk

Study by commercial organizations of the consumers' demand.
Tekh. est. no.4:5 Ap '65. (MIRA 18:6)

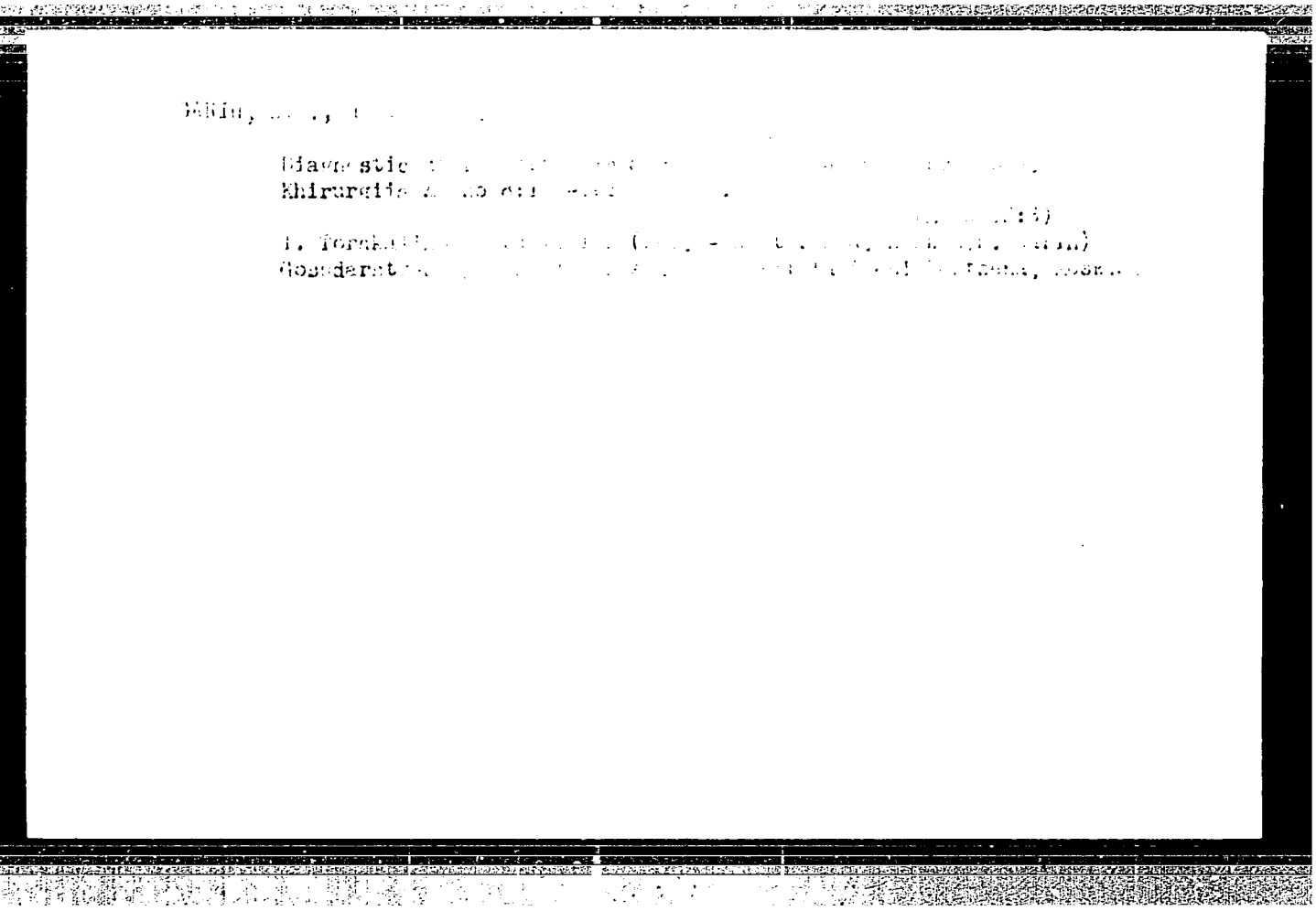
1. Nauchno-issledovatel'skiy institut torgovli i obshchestvennogo pitaniya.

MARMORSHTEYN, S.Ya.; TRUKHTENBERG, A.Kh.; BIDYAK, I.V.

Method of combined intravenous phlebography and azygography in cancer of the lungs. Vop. onk. 11 no.3:99-104 '65.

(MIRA 18:6)

1. Iz khirurgicheskogo (zav. - prof. N.D. Garin) i rentgenodiagnosticheskogo (zav. - doktor med. nauk Ye.A. Likhtenshteyn) otdeleniy Gosudarstvennogo onkologicheskogo instituta imeni Gertsena (dir. - prof. A.N. Novikov), Moskva.



NOVIKOV, A.N.; GARIN, N.D.; [illegible]

Methodology of regional perfusion chemotherapy of the lungs for malignant neoplasms. Vest. khir. 93 no.12:44-48 D '64. (MIRA 18:5)

1. Iz 1-go khirurgicheskogo otdeleniya (zav. - doktor med nauk N.D.Garin) i laboratorii patofiziologii (zav. - kand.med.nauk I.F.Tereshchenko) Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo [illegible] (dir. - prof. A.N. Novikov) Moskva.

NOVIKOV, A.N.; GARIN, N.D.; DANIYEL'-BEK, K.V.; KOLYADYUK, I.V.; LAVNIKOVA, G.A.; TRAKHTENBERG, A.Kh.; SHITKOV, K.G.

Chemotherapy of malignant tumors by the perfusion method.
Khirurgiia 41 no.4:3-9 Ap '65. (MIRA 18:5)

1. Nauchno-issledovatel'skiy onkologicheskiy institut imeni Gertsena (dir. - prof. A.N. Novikov), Moskva.

TRAKHTENBERG, A.Kh., mladshiy nauchnyy sotrudnik (Moskva, Pechatnikov per., d.22, kv.3)

Role of angiopneumography in the diagnosis and determination of the operability of lung cancer. Vest.khir. no.1:17-24 '62. (MIRA 15:1)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo onkologicheskogo instituta im. P.A. Gertsena (dir. - prof. A.N. Novikov).
(LUNGS--CANCER) (ANGIOGRAPHY)

NOVIKOV, A. N.; MARMORSHTEYN, S. Ya.; TRAKHTENBERG, A. Kh.

Selective angiopneumography in lung cancer. Vop. onk. 8 no.2: 45-51 '62. (MIRA 15:2)

1. Iz khirurgicheskogo (nauch. rukov. - prof. A. N. Novikov) i rentgenodiagnosticheskogo (zav. - prof. Ye. E. Abarbanel') otdeleniy Gosudarstvennogo onkologicheskogo instituta im. P. A. Gertsena (dir. - prof. A. N. Novikov). Adres avtorov: Moskva, 2-y Botkinskiy proyezd, 3, Onkologicheskiy institut im. P. A. Gertsena.

(LUNGS—CANCER) (ANGIOGRAPHY)

NOVIKOV, A.N. [Wen Ch'yan]; TRAKHTENBERG, A.Kh.; VEN'CHUAN'

Prevention of complications arising during angiopneumography.
Vop.onk. 5 no.11:592-599 '59. (MIRA 14:7)

1. Iz Gosudarstvennogo onkologicheskogo instituta imeni P.A.Gertsena (dir. - prof. A.N.Novikov; nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR prof. A.I.Savitskiy). Adres avtorov: Moskva, 40, 2-y Botkinskiy proyezd, d.3 Gosudarstvennyy onkologicheskiy institut imeni P.A.Gertsena.
(LUNGS--RADIOGRAPHY)

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AUTHOR: Trakhtenbrot, B.A.

TITLE: Certain constructions in the logic of one-place predicates

PERIODICAL: Akademiya nauk SSSR. Doklady, v.138, no.2,1961, 320-321

TEXT: The author uses the connection between finite automata and the calculus of one-place predicates for solving a problem of Tarski. He discusses the transfer of some facts from the theory of algorithms to the finite automata.
Let I be a theory constructed with means of the extended calculus of the one-place predicates on atomic formulas of the type $X(t)$, $Y(\tau')$, $Z(\sigma'''),\ldots$, where $t, \tau, \sigma, \ldots$ are interpreted as natural numbers, " ' " as functions of the immediate succession, and X, Y, Z as variable predicates defined on the natural numbers. The relations of equality and inequality (<) for objective variables and consequently the bounded objective quantors are definable in I. A formula $\mathfrak{L}[x_1,\ldots, x_m]$ containing no other free variables beside of the mentioned predicate variables defines the set $\hat{X}_1 \ldots \hat{X}_m \mathfrak{L}(x_1,\ldots, x_m)$ of those predicates

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Certain constructions in the ...

which satisfy it.
Problem 1 (Tarski) : Is the theory I solvable ?
Problem 2 (Tarski) : Is the addition definable in I ?
Theorem 1 : For every formula $\mathfrak{F}(x_1,\ldots, x_m)$ of I there exists a finite finite automaton with the property : To the inlet word $\langle x_1(1),\ldots,x_m(1)\rangle \langle x_1(2),\ldots,x_m(2)\rangle \ldots \langle x_1(t),\ldots,x_m(t)\rangle$ there corresponds the outlet $W(t) = 1$ then and only then if the predicates $x_1, \ldots, x_m$ being equal zero for $\tau > t$ belong to $\hat{x}_1 \ldots \hat{x}_m \mathfrak{F}(x_1,\ldots, x_m)$.
Theorem 2 : The addition is not definable in I.
The author essentially uses his earlier results (Ref. 1: DAN 118, no.4 (1958). Ref. 2: DAN 112, no. 6 (1957)). The problem 1 remains unsolved but the author conjectures a positive answer.

There are 2 Soviet-bloc and 2 non-Soviet-bloc references. The reference to the English-language publication reads as follows: R.M. Robinson,Proc. Am.Math.Soc., 9, 238 (1958).
PRESENTED: December 29, 1960, by P.S. Novikov, Academician
SUBMITTED: November 23, 1960
Card 2/2

TRAKHTENBERG, B.F.

On the anomalous change in magnetic induction due to high temperature annealing in hot rolled transformer steel in the region of strong fields. Fiz.met.i metalloved. 1 no.1:55-63 '55. (MLRA 9:3)

1. Kuybyshevskiy industrial'nyy institut imeni V.V. Kuybysheva.
(Sheet steel--Magnetic properties)

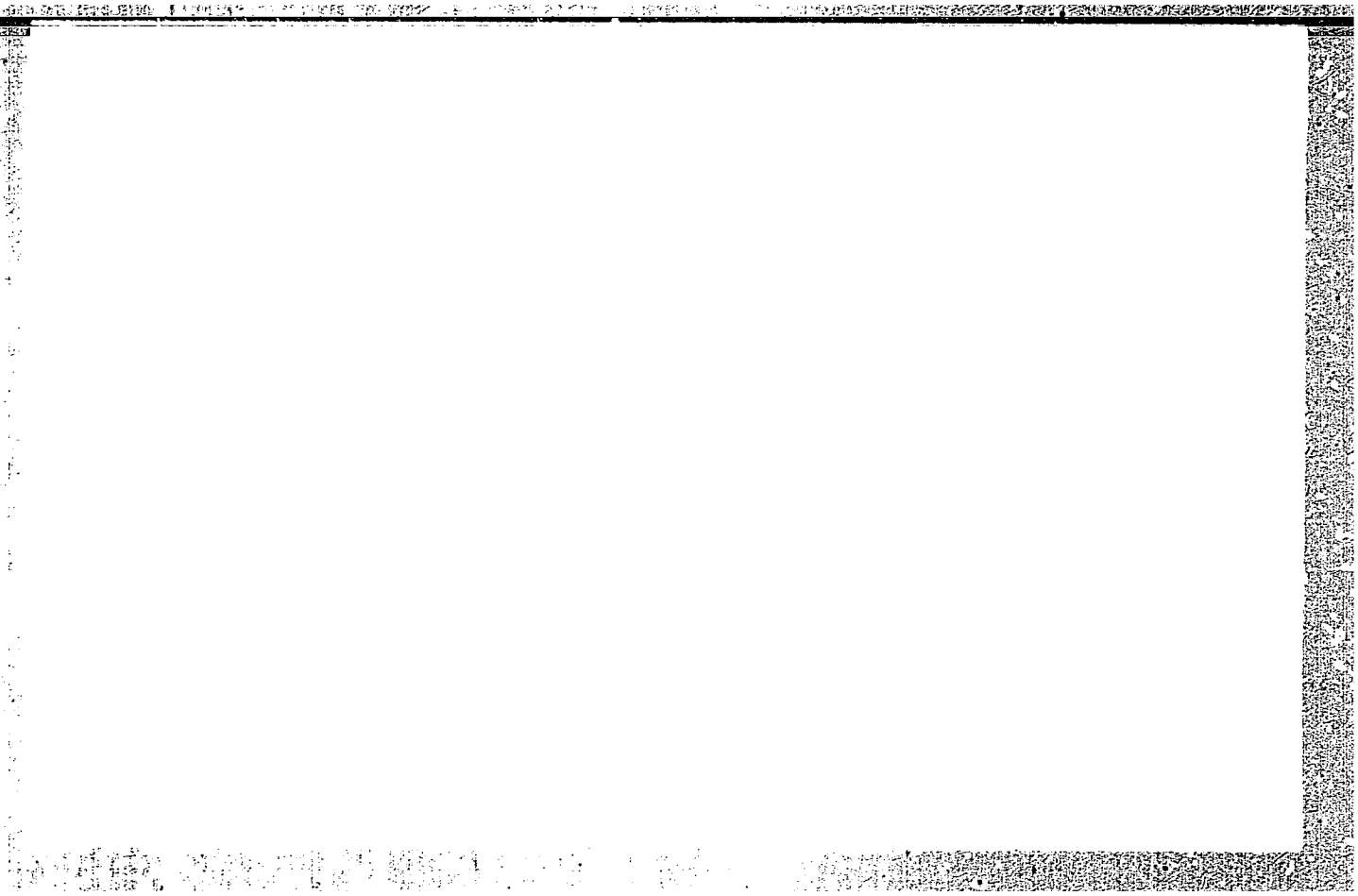
TRAKHTENBERG, B.F.

Influence of grain size on magnetic induction in hot rolled transformer steel in the region of strong magnetic fields. Fiz.met.i metalloved. 1 no.1:64-69 '55. (MLRA 9:3)

1. Kuybyshevskiy industrial'nyy institut imeni V.V. Kuybysheva.
(Sheet steel--Magnetic properties)

PETROV, Ivan Prokhorovich; TRAKHTENBERG, B.F., kandidat tekhnicheskikh nauk, redaktor; GOL'DSHTEYN, L.Ye., redaktor; SHCHERBAKOV, A.I., tekhnicheskiy redaktor

[Production of high-strength magnesium cast iron] Proizvodstvo vysokoprochnogo magnievogo chuguna; iz opyta Syzranskogo gidroturbinnogo zavoda. Pod red. B.F.Trakhtenberga. [Kuibyshev] Kuibyshevskoe knizhnoe izd-vo, 1956. 42 p. (MLRA 10:9)
(Cast iron--Metallurgy)



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TRAKHTENBERG, [redacted] F., kandidat tekhnicheskikh nauk.

Standards for sheet steel used in the electric industry.
Standartizatsiia no.4:40-44 Jl-Ag '56. (MLRA 9:11)

1. Kuybyshevskiy industrial'nyy institut.
(Sheet steel--Standards)